EXHIBIT 300   **UII 011-000002501**

Exhibit 300: Capital Asset Summary
Part I: Summary Information And Justification (All Capital Assets)

Section A: Overview & Summary Information

Date Investment First Submitted: 2010-09-16
Date of Last Change to Activities: 2012-07-20
Investment Auto Submission Date: 2012-02-28
Date of Last Investment Detail Update: 2012-05-17
Date of Last Exhibit 300A Update: 2012-08-01
Date of Last Revision: 2012-08-01

Agency: 011 - Department of Justice   **Bureau:** 10 - Federal Bureau of Investigation

Investment Part Code: 01

Investment Category: 00 - Agency Investments

1. Name of this Investment: FBI Combined DNA Index System (CODIS)

2. Unique Investment Identifier (UII): 011-000002501

Section B: Investment Detail

1. **Provide a brief summary of the investment, including a brief description of the related benefit to the mission delivery and management support areas, and the primary beneficiary(ies) of the investment. Include an explanation of any dependencies between this investment and other investments.**

    The Combined DNA Index System (CODIS) fully supports the FBI mission by aiding criminal investigation and surveillance while supporting the Lab Division's strategic goal of providing collection and examination capabilities as well as assisting state and local law enforcement. CODIS is the generic term used to describe the FBI's program of support for criminal justice DNA databases as well as the software used to run these databases. The National DNA Index System or NDIS is considered one part of CODIS, the national level, containing the DNA profiles contributed by federal, state, and local participating forensic laboratories. This automated DNA information processing and telecommunications system generates potential investigative leads in cases where biological evidence (DNA) is recovered. CODIS links crime scene evidence to other crimes and/or offenders which identify serial offenders and/or potential suspects. In addition, CODIS software specializes in missing person DNA searches as well as disaster victim identification. The CODIS Program started as a pilot project in 1990 with ten laboratories. The Federal DNA Identification Act of 1994 authorized the establishment of a national DNA identification index and in October, 1998 NDIS became operational. All 50 states, the District of Columbia, the Department of Justice Crime Laboratories, the Department of Defense Criminal Investigation Laboratory, and Puerto Rico participate in NDIS. The CODIS Unit serves over 191 NDIS participating laboratories and 76 international laboratories representing 38 countries. To date, NDIS contains over 10 million

searchable DNA profiles and has aided over 169,000 investigations. Reliability and expandability of CODIS are critical in the FBI's ability to effectively aid law enforcement investigations and serve the public through the use of biometrics. CODIS has no dependencies between this or other investments.

2. **How does this investment close in part or in whole any identified performance gap in support of the mission delivery and management support areas? Include an assessment of the program impact if this investment isn't fully funded.**

The DNA Identification Act in 1994 established FBI NDIS as the National authority providing searching and ranking of DNA profiles entered at the State and local laboratories. The allowance for interstate data sharing of offender and crime scene DNA aided in the ability to solve crimes through biometrics at 14 labs initially. In the early stages, CODIS utilized nuclear DNA profiles contained in a convicted offender index against a forensic index containing DNA profiles developed from crime scene evidence. Over the following 10 years, the incorporation of Missing Persons, Unidentified Human Remains and Biological Relatives of Missing Persons indexes contributed to CODIS by expanding DNA technologies and searching. Aggregate investigations aided since the program's inception through April 2012 are upwards of 169,000. CODIS must maintain the processing and searching ability to support the current and projected volume of users. Currently supporting more than 260 installations and ~3000 users, CODIS continues to add DNA technologies and support systems integration through the use of biometrics while maintaining system performance. With the delivery of CODIS 7.0, processing and search requirements have been met for an exponentially growing number of DNA profiles housed at NDIS. NDIS currently has over 10 million profiles. DNA match technologies (eg. electropheram, base composition, full mtDNA sequence, mini-STRs, SNPs) and the support of international data exchange standards (eg. ISO Standard (19794-14) for DNA Data) will continue to fill the program gaps as funding becomes available in 2014 and beyond. The impact of not funding future development limits the FBI's ability to lead the International effort in DNA data sharing standards, incorporate known requirements (Section B.6.) as well as the ability to incorporate emergent legislative requirements.

3. **Provide a list of this investment's accomplishments in the prior year (PY), including projects or useful components/project segments completed, new functionality added, or operational efficiency achieved.**

In FY11, CODIS Operations supported two fielded baselines, CODIS legacy 5.7.x and 6.1. CODIS 5.7.x is the operational baseline for the majority of CODIS users (approximately 220 labs). Accomplishments include successfully initiating weekly autosearches at NDIS, managing the help desk and exercising 2 annual COOP exercises without incident. Dispositions on 5.7.x aided in more than 23,000 investigations. CODIS development effectively completed final design, development and testing of the final 7.0 baseline which will deliver one software baseline incorporating all existing 5.7.x functionality currently serving convicted offender labs and CODIS 6.x functionality serving Missing Persons labs. The program successfully passed FBI managed software control gates to date. Transition activities occurred to ensure the Operations team was fully prepared to deploy the 7.0 baseline in FY12 to all existing CODIS labs. Key in FY11 was the delivery of CODIS 7.0 to the European Union (EU) countries.

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4. **Provide a list of planned accomplishments for current year (CY) and budget year (BY).**

   In FY2012, the focus will be on deploying 7.0 through a phased regional approach to include on-site training to 200 plus domestic laboratories and completion of software deployment to 20+ European Union countries. CODIS 7.0 provides forensic DNA laboratories the ability to: Conduct incremental searching and uploads; efficient processing of large databases up to 50 million specimens; incorporate all European Union functionality (international data sharing requirements); support additional population statistical calculations as well as calculations on single source samples; batch and remote searching and additional search configurations; bulk update specimen management features; match counting and match ID/rank ID display capabilities; partial profile indicator; Interpol export format; specimen audit trail; and improved configurations. Maintenance will be provided via hotfixes and service packs planned to address deficiencies discovered post implementation, planned deferred requirements and regular modifications due to security patch updates to the operating environment. In BY13, the focus will remain on stabilization of fielded CODIS 7.0 to a large user base, adding new laboratories and additional CODIS participating countries, as well as deliver the first maintenance service pack following 7.0 deployment. CODIS will focus on post deployment software maintenance activities and support to Operational activities. The user base of more than 260 laboratories will require help desk support, training and software hotfixes. Additionally, maintenance for version 7.0 will be delivered in the planned service packs and hot fixes during the post deployment phase. These are largely usability and interface upgrades that will aid in daily operational use to the end user.   Many of these improvements are targeted features benefitting the Missing Persons community.   The goal for CODIS 7.0 is to field a single unified version of CODIS. The ability to effectively utilize all available DNA data in a full database search within the specified search parameters is a success indicator on a large scale. Until development funding is secured, this investment will remain in an O&M state effectively managing several maintenance service packs as well as operating the 7.0 baseline.

5. **Provide the date of the Charter establishing the required Integrated Program Team (IPT) for this investment. An IPT must always include, but is not limited to: a qualified fully-dedicated IT program manager, a contract specialist, an information technology specialist, a security specialist and a business process owner before OMB will approve this program investment budget. IT Program Manager, Business Process Owner and Contract Specialist must be Government Employees.**

2011-08-12

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Section C: Summary of Funding (Budget Authority for Capital Assets)

1.

Table I.C.1 Summary of Funding				
	PY-1 & Prior	PY 2011	CY 2012	BY 2013
Planning Costs:	$2.8	$0.1	$0.5	$0.0
DME (Excluding Planning) Costs:	$94.1	$12.9	$0.9	$0.0
DME (Including Planning) Govt. FTEs:	$2.3	$0.7	$0.3	$0.0
Sub-Total DME (Including Govt. FTE):	$99.2	$13.7	$1.7	0
O & M Costs:	$43.8	$9.1	$16.3	$8.3
O & M Govt. FTEs:	$2.3	$1.3	$1.9	$1.9
Sub-Total O & M Costs (Including Govt. FTE):	$46.1	$10.4	$18.2	$10.2
Total Cost (Including Govt. FTE):	$145.3	$24.1	$19.9	$10.2
Total Govt. FTE costs:	$4.6	$2.0	$2.2	$1.9
# of FTE rep by costs:	71	14	14	14

Total change from prior year final President's Budget ($)		$-3.1	$1.9	
Total change from prior year final President's Budget (%)		-11.30%	10.70%	

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2. If the funding levels have changed from the FY 2012 President's Budget request for PY or CY, briefly explain those changes:

In FY11, the variance in DME is due to allotted dollars for Unisys Incentive fee, hosting fees and subcontractor invoices (September) that will carry over into FY12. Additionally, in Steady State costs, there is an under-burn in PMO activities due to re-planning efforts on task moved to FY12. There is some underburn on Operations costs associated with deployment that will now occur in FY12. The collective amount is approved and will be carried over and spent on these tasks in FY12.

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Section D: Acquisition/Contract Strategy (All Capital Assets)

Table I.D.1 Contracts and Acquisition Strategy
Contract Type	EVM Required	Contracting Agency ID	Procurement Instrument Identifier (PIID)	Indefinite Delivery Vehicle (IDV) Reference ID	IDV Agency ID	Solicitation ID	Ultimate Contract Value ($M)	Type	PBSA ?	Effective Date	Actual or Expected End Date
Awarded	1549	DJFA0D005925	GS00Q09BGD0048	4735							
Awarded	1549	DJFA8G0805608	GS35F4953G	4730							
Awarded	1549	DJFJFBI06201	DJFJFBI06201	1549							

2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:

When the program awarded contracts for Level of Effort and Firm-fixed price type contracts, EV data was not a contractual requirement. We do require EV for core development contracts and provide that data monthly.

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Exhibit 300B: Performance Measurement Report

Section A: General Information

Date of Last Change to Activities: 2012-07-20

Section B: Project Execution Data

Table II.B.1 Projects

Project ID	Project Name	Project Description	Project Start Date	Project Completion Date	Project Lifecycle Cost ($M)
002501A	CODIS Software FY11 Service Pack	Captures the first NGCODIS 7.0 Maintenance package.			
002501B	CODIS Software FY12 Service Packs	Captures phased maintenance service packs through FY12.			
002501C	NGCODIS Multi-Lingual Prototype - in support of soutwest borders	Effort to prototype CODIS software localization via a Multi-Lingual Interface.			
002501D	NGCODIS 7.0 Deployment	Efforts to deploy NGCODIS 7.0 to Users.			

Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Project ID	Name	Total Cost of Project Activities ($M)	End Point Schedule Variance (in days)	End Point Schedule Variance (%)	Cost Variance ($M)	Cost Variance (%)	Total Planned Cost ($M)	Count of Activities
002501A	CODIS Software FY11 Service Pack							
002501B	CODIS Software FY12 Service Packs							
002501C	NGCODIS Multi-Lingual							

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				Activity Summary				
				Roll-up of Information Provided in Lowest Level Child Activities				
Project ID	Name	Total Cost of Project Activities ($M)	End Point Schedule Variance (in days)	End Point Schedule Variance (%)	Cost Variance ($M)	Cost Variance (%)	Total Planned Cost ($M)	Count of Activities
	Prototype - in support of soutwest borders							
002501D	NGCODIS 7.0 Deployment							

				Key Deliverables				
Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days)	Schedule Variance (%)
002501A	Government Acceptance - 7.0 SP1	Effort to review related documentation and perform Acceptance Testing of the Service Pack to approve its deployment	2011-09-27	2011-09-27	2011-09-27	88	0	0.00%
002501C	NGCODIS MLI Prototype development	Effort to build multi-lingual prototype	2012-02-15	2012-02-15	2011-12-29	135	48	35.56%
002501B	NGCODIS 7.0 SP2	NGCODIS 7.0 service pack 2	2012-03-27	2012-03-27	2012-03-27	181	0	0.00%
002501C	NGCODIS 7.0 enhancements - Southwest Border Initiative	Re-applies SWB funding from integration of prototype to improvements in Missing Persons functionality and software performance improvements to aid in SWB investigations	2012-07-31	2012-07-31		166	-31	-18.67%
002501B	NGCODIS 7.0 service pack 2 phase 2 (test/delivery)	Software testing including development contractor (system & regression testing) and GAT/UAT, to final delivery of 7.0 SP2	2012-09-27	2012-09-27		183	0	0.00%

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Section C: Operational Data

Table II.C.1 Performance Metrics								
Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency
This is the processing time it takes to run a full autosearch comparing DNA profiles (many against many profiles). This search is run at the National level (National CODIS Index System -NDIS).	Hours to finish an autosearch	Process and Activities - Productivity	Under target	12.000000	12.000000		8.000000	Semi-Annual
Help desk CODIS user surveys at participating laboratories. This survey captures the satisfaction rating for CODIS performance of the system and customer service in terms of help desk and training support. Goal is to receive help desk surveys with an average rating of 3 or above.	Average user help desk ratings 3 or above	Customer Results - Customer Benefit	Over target	3.000000	3.000000		3.000000	Semi-Annual
Investigations aided by the use of DNA evidence in law enforcement activities. Goal is to aid at least 20,000 investigations/year.	Number of investigations aided	Mission and Business Results - Services for Citizens	Over target	21590.000000	21590.000000		21590.000000	Semi-Annual
Uptime of system performance. Measures the uptime of the National (NDIS) database.	Maintain a minumum of 98% system up time	Technology - Reliability and Availability	Over target	0.980000	98.000000		98.000000	Semi-Annual
Percentage measures	Percentage of help	Technology -	Over target	90.000000	95.000000		95.000000	Monthly

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Table II.C.1 Performance Metrics								
Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency
the resolution rate of help desk calls satisfied for operational users of CODIS. Goal is to meet an average of 95% resolution rate for help desk calls.	desk calls resolved	Effectiveness						